Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	03/11/2021 09:50 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	12/15/2020 11:39 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	91417	Expiration Date:	03/31/2021
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124966	-1	2.31	125044	2.31
Blue	F	SSC	125000	123237	-2	3.21	124219	3.26
Blue	E	FITC	14203	13768	-4	2.77	299	15.31
Blue	D	PE	25703	25348	-2	2.39	550	11.35
Blue	B	PerCP-Cy5-5	42104	41083	-3	3.33	919	15.17
Blue	A	PE-Cy7	34646	33785	-3	4.61	481	30.26
Red	C	APC	49824	49227	-2	3.01	1511	11.57
Red	A	APC-Cy7	39773	38793	-3	3.01	721	12.23
Violet	B	V450	7447	7141	-5	3.78	394	13.07
Violet	A	V500	31193	30451	-3	3.53	689	10.27

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22084	2.67	556	0	N/A	N/A	Pass
Blue	F	SSC	53689	2.77	517	5	N/A	N/A	Pass
Blue	E	FITC	56	55.6	488	2	0.0443	265	Pass
Blue	D	PE	109	39.92	490	5	0.3002	234	Pass
Blue	B	PerCP-Cy5-5	172	36.16	582	5	0.0174	0	Pass
Blue	A	PE-Cy7	108	65.47	626	6	0.0204	0	Pass
Red	C	APC	350	24.21	569	2	0.0269	84	Pass
Red	A	APC-Cy7	200	24.71	547	3	0.0056	213	Pass
Violet	B	V450	89	39.54	451	2	0.0381	1001	Pass
Violet	A	V500	123	27.5	470	3	0.0226	314	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-32.07	-31.78	0.99
Blue	20.36	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.40
Red	19.72	15.99 - 23.99	N/A	N/A	30.13	30.43	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.74

Threshold

Threshold (FSC): 9566

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments